OLYMPUS "PEN F" EXPOSURE METER

The Olympus "Pen F" Exposure meter is a dual-range CdS meter, designed for use with the "Pen F" Camera or any other camera. It couples directly with the shutter speed dial of the "Pen F", when clipped onto the camera. It may be hand-held for readings with other cameras.

■ **BAYONET-TYPE MOUNT:** Meter clips directly on the shutter speed dial of the "Pen F", and couples at all speeds.

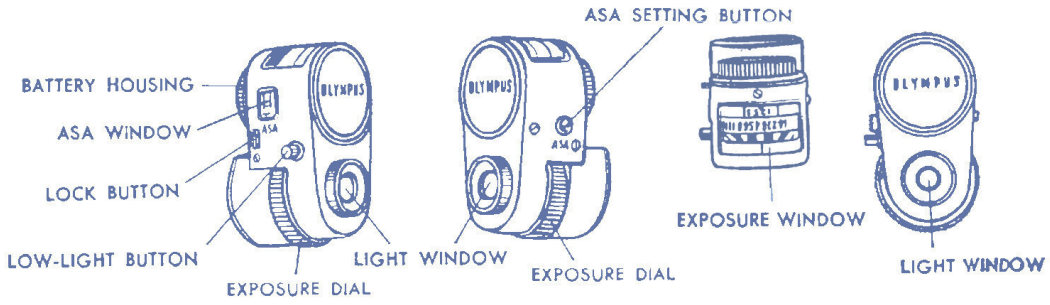
■ **DUAL-RANGES:** At ASA 100 (Low: LV 3 ASA)
(High: LV 10 to 17)

■ **CdS BATTERY:** Uses Mercury Battery

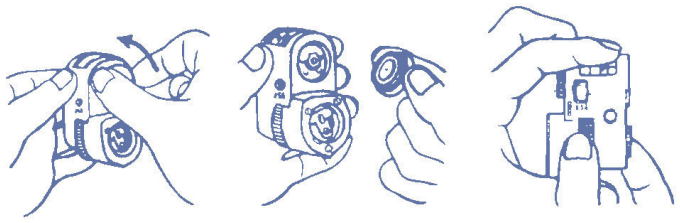
■ **SHUTTER SPEED RANGE:** 1, 2, 3, 4, 8, 15, 30, 60, 125, 250, 500

■ **LENS APERTURE RANGE:** 1.4, 2, 2.8, 4, 5.6, 8, 11, 16, 22

■ **ASA FILM SPEED RANGE:** ASA 6, 10, 16, 25, 32, 40, 50, 64, 80, 100, 160, 200, 400, 800.

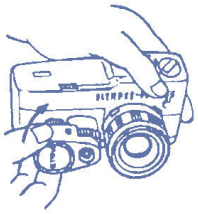


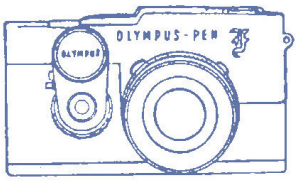
HOW TO USE:



1. Remove the cap from the battery housing, by turning it in a counter-clockwise direction. Place battery inside housing, with positive side facing out. Replace cap.
2. Set the meter for film speed being used. Rotate the Exposure Dial until the red index mark appears in the ASA Window. If the red index mark doesn't appear, even when the Exposure Dial is rotated fully from one end of the scale to the other, rotate the Exposure Dial until the 1 sec. exposure setting appears in the Exposure Window. Depress the ASA Setting Button, and rotate the Exposure Dial to its opposite position (until the 500, or 1/500 sec., setting appears in the Exposure Window). Then, releasing the ASA Setting Button once again, rotate the Exposure Dial in the opposite direction, watching for the red index to appear in the Exposure Window. If the red index mark hasn't appeared by the end of the Exposure Dial range, you will have to repeat the above operation.
3. Set the ASA exposure index of the film used opposite the red index mark, by rotating the Exposure Dial while depressing the ASA Setting Button, and releasing the button when the correct ASA number matches up with the red index mark. You are now set for the film you are using, at all exposure settings and the red mark can then be ignored until you use another film with different ASA film speed.

HOW TO ATTACH THE METER TO YOUR PEN F CAMERA:

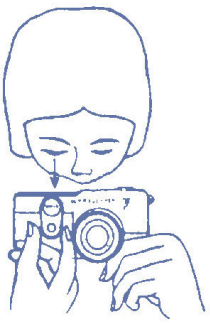


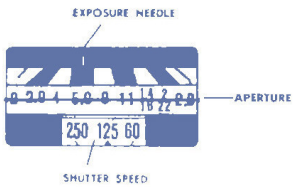


Set the Shutter Speed Dial of the Pen F camera at any shutter speed between 1 and 1/500 sec., but not at the "B" or in-between settings. Hold the camera in the left hand, and grasp the meter sideways in such manner as to have the ASA Setting Button on top (see illustration). Insert the meter carefully into the shutter speed dial of the camera, and turn the meter in a clockwise direction until the meter clicks into position after a 90° turn (see illustration). Rotate the Exposure Dial in either direction until a 'click' is heard. This means that the claw of the meter is properly coupled with the shutter speed dial. Now the Exposure Meter Dial will rotate with click stops and you can hear and feel the click stops of the shutter speed dial.

To remove the meter, depress the lock button of the meter, then turn the meter in a counterclockwise direction to 90°. The meter is removed by lifting it away from the Shutter Speed Dial of the camera.

HOW TO SET CORRECT EXPOSURE:





There are two methods for setting correct exposures. You may pre-select the desired shutter speed, and then set the aperture; or you may pre-select the desired aperture and then set the appropriate shutter speed. Both methods are described below. In either case, the camera and meter should be pointed at the subject, to read reflected light. Readings should be made on the black scale, unless there is insufficient light for a deflection of the Exposure Needle in the Exposure Window. If this is the case, depress the Low Light Button, and make your reading on the red scale. This applies to either of these two methods of exposure selection:

1. **PRE-SELECTED SHUTTER SPEED:** Set the desired shutter speed number at the red mark in the Exposure Window, by rotating the Exposure Dial. Read the necessary lens aperture shown by the Exposure Needle. Set the lens aperture by rotating the lens aperture ring on the lens.
2. **PRE-SELECTED LENS APERTURE:** After setting the desired lens aperture on the camera lens, rotate the Exposure Dial until the corresponding number meets the Exposure Needle in the Exposure Window. This shows the shutter speed automatically set alongside the red mark in the Exposure Window.

CAUTION:

1. DO NOT mount the meter before setting the shutter speed dial of the camera. Be sure to set the shutter speed dial at any speed of 1—1/500 sec. The meter cannot be set properly with the shutter dial set at "B" or between shutter speeds.
2. DO NOT leave the meter in a bright light without putting the cap on the light window.
3. DO NOT leave any fingerprint(s) inside the battery cell, or expose the meter to water.
4. DO NOT drop the meter or leave it near a radio or anything highly magnetic.
5. DO NOT leave the mercury battery in the cell when the meter is not in use for a considerable length of time. Instead, remove the mercury battery and keep it in a dry place.